

### III. Appendices

#### C. Food

##### 9. Use Patterns Considered in OP Cumulative Assessment for Foods

The following sections list all of the uses of organophosphorus insecticides on food/feed crops (and some that are non-food uses) that were assumed to be potential sources of residues on foods as of March 2002. These uses include supported Section 3 uses, SLN uses and import tolerances.

#### **Acephate**

##### Supported Section 3 uses:

beans (including lima beans and other dry and succulent beans); Brussels sprouts; cauliflower; celery; cotton; food-handling establishments (including food and non-food areas where food and food products are held, processed, prepared, or served); lettuce (crisphead types); peanuts; peppermint and spearmint; peppers (bell, non-bell, and unspecified type); tobacco.

##### 24(c), SLN uses:

cranberries; lupines (sweet grain); soybeans; wheat (winter).

Import tolerances: None

#### **Azinphos-methyl (AZM)**

##### Supported Section 3 uses:

Almonds, apples, crab apples, blackberries, blueberries (lowbush and highbush), boysenberries, Brussels sprouts (application to soil at transplant only), cherries (sweet and tart), loganberries, pears, pistachios, raspberries, walnuts.

24(c), SLN uses: None

## **Chlorpyrifos**

### **Supported Section 3 uses:**

Alfalfa, almonds, apples, asparagus, bananas, bean (field, green, kidney, lima, navy, snap, string, and wax), broccoli, collards, kale, kohlrabi, mustard greens, rape, Brussels sprouts, cabbage (Chinese), cauliflower, cherries, citrus (grapefruit, lemon, oranges), corn (field, sweet), cotton, cranberry, cucumbers, figs, filberts, grapes, kiwifruit, [Vegetable, legume, group], [Vegetable, Brassica, leafy, group], Macadamia nut, mint, onions, peaches, peanuts, pears, peas (black-eyed, field, and garden), pecans, peppers, plum/prune, pumpkin, radish, rutabagas, sorghum, soybean, strawberry, sugar beet, sunflower, sweet potato, tobacco, turnip, walnuts, wheat.

### **24(c), SLN uses:**

apples, alfalfa, almonds, asparagus, broccoli, brussels sprouts, cabbage, cauliflower, carrots (grown for seed), citrus, corn, cotton, fruit trees, grapes, leafy vegetables, macadamia nuts, mint, nectarines, onions, peaches, pears, peppers, plums, prunes, radishes, rutabagas, strawberries, sugar beets, walnuts, wheat.

**Import tolerances:** None

## **Chlorpyrifos methyl:**

No supported uses or import tolerances

## **DDVP**

### **Supported Section 3 uses:**

Cattle, Goats, Sheep, and Poultry (direct application), Mushroom houses for fly control, Storage areas for bulk, packaged and bagged raw and processed agricultural commodities, Food manufacturing/processing plants.

## **Diazinon**

### **Supported Section 3 uses:**

almonds, apples, apricots, beans (seed treatment only) except soybeans, beets (red, table), blackberries, blueberries, boysenberries, broccoli, Chinese broccoli, Brussels sprouts, cabbage, Chinese cabbage (bok choy and napa), cantaloupes, carrots, Casaba melons, cauliflower, cherries, cole crops, collards, field corn (seed treatment only), sweet corn (including seed treatment), cranberries, Crenshaw melons, dewberries, endive (escarole), figs, filberts, ginseng, grapes, honeydew melons, hops, kale, lettuce, lima beans (seed treatment only), loganberries, melons, muskmelons, mustard greens, Chinese mustard, nectarines, onions, peaches, pears, peas (seed treatment only), Persian melons, pineapples, plums, prunes, radishes, Chinese radishes, raspberries, rutabagas, sheep, snap beans (seed treatment only), spinach, strawberries, sugar beets, tomatoes, walnuts, watermelons, watercress (Hawaii only), mushrooms, cattle - nonlactating (ear tags only), trunk wrap for non-bearing fruit trees and vines.

### **24(c), SLN uses:**

bananas, celery, cucumbers, parsley, parsnips, peppers, Irish potatoes, squash (winter and summer), sweet potatoes, Swiss chard, and turnips (roots and tops).

**Import tolerances:** Citrus fruits, kiwi, sheep.

## **Dimethoate**

### Supported Section 3 uses:

Broccoli, Broccoli Raab, Brussels Sprouts, Cabbage, Chinese Cabbage, Cauliflower, Collards, Kale, Mustard Greens, Asparagus, Cherries, Pecans, Cherries(post-harvest), Cotton(post-harvest), Grapes(post-harvest), Pecans(post-harvest), Cotton, Safflower(post-harvest), Field corn, Pop Corn, Grain Sorghum, Wheat, Triticale, Grapefruit, Lemons, Lime/ tangerine/ pumello/ kumquat, Oranges, Tangerines, Melons, Watermelons, Peppers, Tomatoes, Tomatillo, foliar treatment, Lupine, Lespedeza, Sainfoin, Trefoil, Peas, succulent, Beans, Lentils, Soybeans, Head lettuce, Leaf lettuce, Endive (escarole), Spinach, Swiss Chard, Celery, Fennel, Alfalfa, Apples, Pears, Potatoes, Turnips.

### 24(c), SLN uses:

cherries, citrus, pecans, dried and succulent peas, and lentils. All of these crops also have §3 uses.

Import tolerances: Blueberries.

## **Disulfoton**

### Supported Section 3 uses:

beans (snap and lima only), broccoli, Brussels sprouts, cabbage, cauliflower, coffee, bell and chili peppers, lettuce, peanuts.

24(c), SLN uses: asparagus and radish grown for seed.

**Ethion:** No supported uses or import tolerances

## **Ethoprop**

### Supported Section 3 uses:

banana/plantains, beans (lima and snap), cabbage, corn (field and sweet), cucumbers, pineapple, potatoes, sugarcane, sweet potatoes, tobacco.

24(c) SLN Food Uses: None.

Import tolerances: None.

**Ethyl parathion:** No supported uses or import tolerances

**Fenamiphos:** No supported uses or import tolerances

## **Malathion:**

### Supported Section 3 uses:

Alfalfa; apple; apricot; asparagus; avocado; barley; bean (succulent and dry); beets (garden; table; and sugar); birdsfoot trefoil; blackberry; blueberry; boysenberry; broccoli; broccoli raab; Brussels sprouts; cabbage (including Chinese); carrot; cauliflower; celery; chayote; cherry; chestnut; clover; collards; corn (field; sweet; and pop); cotton; cucumber; currant; dandelion; date; dewberry; eggplant; endive; escarole; potato; fig; flax; garlic; gooseberry; grape; grapefruit; guava; hay grass; hops; horseradish; kale; kohlrabi; kumquat; leek; lemon; lespedeza; lettuce (head and leaf); lime; loganberry; lupine; macadamia nut; mango; melon; mint; mushroom; mustard greens; nectarines; oats; okra; onion; orange; papaya; parsley; parsnip; passion fruit; pea; peach; pear; pecan; pepper; pineapple; pumpkin; quince; radish; raspberry; rice; rutabaga; rye; salsify; shallot; sorghum grain; spinach; spring wheat; squash; strawberry; sweet potato; Swiss chard; tangelo; tangerine; tomato (including tomatillo); turnip; vetch; walnut; watercress; watermelon; wheat; wild rice; winter wheat; and yam; pastures; and rangeland; indoor stored commodity treatment and empty storage facilities for, barley, corn, oats, rye, and wheat.

## **Methamidophos**

Supported Section 3 uses: cotton and potatoes.

24(c), SLN uses: Tomatoes.

## **Methidathion**

### Supported Section 3 uses:

Alfalfa; Almonds; Apples; Apricots; Artichoke; Carambola; Cherries; Citrus Fruits Crop Group; Clover (grown for seed); Cotton; Kiwifruit; Longan; Mangos; Nectarines; Olives; Peaches; Pears; Pecans; Plums; Prunes; Safflower; Sorghum; Sugar Apple; Sunflower; Timothy; Tobacco; and Walnuts.

### 24(c), SLN uses:

Alfalfa; Carambola; Citrus Fruits; Clover; Kiwifruit; Longan; Sugar Apple; and Timothy.

Import tolerances: None

## **Methyl parathion**

### Supported Section 3 uses:

alfalfa, almonds, barley, cabbage, corn, cotton, dried beans, dried peas, grass, hops, lentils, oats, onions, peanuts, pecans, rape seed (canola), rice, rye, soybeans, sugar beets, sunflower, walnuts, wheat, and white potatoes.

24(c), SLN uses: sweet potatoes.

## **Mevinphos**

No domestic uses.

Import tolerances only:

Broccoli, Cabbage, Cauliflower, Celery, Cucumbers, Grapes, Lettuce, Melons (incl. cantaloupes, honeydew melon, and muskmelon, determined on the edible portion with rind removed), Peas, Peppers, Spinach, Squash, summer, Strawberries, Tomatoes, and Watermelon.

## **Naled**

Supported Section 3 uses:

almonds, beans (dry and succulent), broccoli, Brussels sprouts, cabbage, cauliflower, celery, collards, cottonseed, cucumbers, eggplant, grapefruit, grapes, hops, kale, lemons, melons, oranges, peaches, peas (succulent), peppers, safflower seed, spinach, strawberries, squash, Swiss chard, sugarbeets (roots and tops), tangerines, tomatoes, and walnuts.

24(c), SLN uses: alfalfa (grown for seed), Swiss chard, turnips.

import tolerances: none

## **Oxydemeton-methyl (ODM)**

Supported Section 3 uses:

Alfalfa, apples (non-bearing only), crab apples (non-bearing only), apricots (non-bearing only), beans (lima), cherries (non-bearing only), sugar beets, broccoli, Brussels sprouts, cabbage, cauliflower, clover, sweet corn, cotton, cucumbers, filberts, grapes (non-bearing only), lettuce (head), nectarines (non-bearing only), onions, peaches (non-bearing only), peppermint, plums (non-bearing only), prunes (non-bearing only), pumpkins, quinces (non-bearing only), spearmint, safflower, sorghum, squash (summer and winter), walnuts, watermelons (and other melons).

24(c), SLN uses:

broccoli raab, grapefruit, lemons, oranges, strawberries (pre-bloom and postharvest).

## **Phorate**

Supported Section 3 uses:

beans, corn (field and sweet), cotton, peanuts, potatoes, sorghum, soybeans, sugar beets, sugarcane.

24(c), SLN uses: hops, potatoes, sugar beets, sugarcane.

Import tolerances: None

### **Phosalone**

Supported Section 3 uses: None

24(c), SLN uses: None

Import tolerances:

almonds, apples, apricots, cherries, grapes, peaches, pears, plums.

### **Phosmet**

Supported Section 3 uses:

alfalfa, almonds, apples, apricots, beech nuts, blueberries, Brazil nut, butternuts, cashews, cattle, cherries, tart, chestnut, chinquapin nuts, cotton, crabapples, cranberries, filberts, grapes, hickory nuts, macadamia nuts, nectarines, peaches, pears, peas, dry, peas, fresh, pecans, pistachios, plums/prunes, potatoes, sweet potatoes, swine, walnuts.

24(c), SLN uses: cherries, sweet, clover, kiwifruit.

Import tolerances: None

### **Phosphamidon**

Supported Section 3 Uses: None

24(c), SLN uses: None

Import tolerances: None

### **Pirimiphos methyl**

The only food use is on stored corn and sorghum grain and seed used for human and animal consumption.

### **Terbufos.**

Supported Section 3 uses: Corn, Sorghum, Sugar beets.

Import tolerances: Bananas.

### **Tribufos**

The only Section 3 registration is cotton. There are no SLN uses and no import tolerances.